

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 287-5672 Fax (207) 287-4172

PROPERTY LOCATION

City, Town or Plantation **Augusta**
Street or Road **202 South Belfast Ave**
Subdivision, Lot # **MOBILE 188**
Name (last, first, MI) **Moran, Ed and Val** Owner Applicant
Mailing Address of **20 Neighbor Lane**
☒ Owner ☐ Applicant
Daytime Tel. # **Augusta, ME 04330**
207-557-0161

>>Caution: LPI APPROVAL REQUIRED<<

AUGUSTA PERMIT #6922
Date Permit Issued: **5/6/14** TOWN COPY
\$250.00 fee
15.00
LPI # **830**

Owner or Applicant Statement

I state that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or local Plumbing Inspector to deny a permit

Edward S. Moran
Signature of Owner or Applicant

5/6/14
Date

Caution: Inspection Required

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application

(1st) Date Approved

Local Plumbing Inspector Signature

(2nd) Date Approved

PERMIT INFORMATION

Type of Application

- ☐ First Time System
- ☒ Replacement System
Type Replaced trench
Year Installed **1960's**
- ☐ Expanded System
 - ☐ <25 % Expansion
 - ☐ >25% Expansion
- ☐ Experimental System
- ☐ Seasonal Conversion

Size of Property

13+/-

☐ Sq. ft.
☒ Acres

Shoreland Zoning

☐ yes ☒ no

This Application Requires

- ☐ No Rule Variance
- ☐ First Time System Variance
 - ☐ Local Plumbing Inspector approval
 - ☐ State & Local Plumbing Inspector approval
- ☒ Replacement System Variance
 - ☒ Local Plumbing Inspector approval
 - ☐ State & Local Plumbing Inspector approval
- ☐ Minimum Lot Size Variance
- ☐ Seasonal Conversion Approval

Disposal System to Serve:

- ☒ Single Family Dwelling Unit, No of Bedrooms: **3**
- ☐ Multiple Family Dwelling : Number of Units:
- ☐ Other

SPECIFY

Current use ☐ Seasonal ☒ Year Round ☐ Undeveloped

Disposal System Component(s)

- ☒ Complete Non-Engineered System
- ☐ Primitive System(graywater & alt. toilet)
- ☐ Alternative Toilet, Specify:
- ☐ Non-Engineered Treatment Tank(only)
- ☐ Holding Tank _____ Gallons
- ☐ Non-Engineered Disposal Field(only)
- ☐ Separated Laundry System
- ☐ Complete Engineered System (2000+ gpd)
- ☐ Engineered Treatment Tank (only)
- ☐ Engineered Disposal Area (only)
- ☐ Pretreatment, specify:
- ☐ Miscellaneous components

Type of Water Supply

- ☐ Drilled Well
- ☐ Dug Well
- ☐ Private
- ☒ Public
- ☐ Other:

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

Treatment Tank

- ☒ Concrete
 - ☒ Regular
 - ☐ Low Profile
- ☐ Plastic
- ☐ Other

CAPACITY **1000** Gallons

Disposal Field Type / Size

- ☐ Stone Bed
 - ☐ Stone Trench
 - ☒ Proprietary Device
 - ☐ Cluster array
 - ☒ Linear
 - ☐ Other
- SIZE **240** sq. ft. ☒ lin. ft.

Garbage Disposal Unit

- ☒ No
 - ☐ Yes
 - ☐ Maybe
- If Yes or Maybe, specify one below
- ☐ Multi-compartment tank
 - ☐ Tank in series
 - ☐ Increase in tank capacity
 - ☐ Filter on tank outlet

Design Flow

270 gallons per day
BASED ON:

- ☒ 1. Table 501.1(Dwelling unit(s))
 - ☐ 2. Table 501.2(other facilities)
- SHOW CALCULATIONS
---for other facilities---

- ☐ 3. Sec. 4G (meter readings)
attach water meter data

Soil Data & Design Class

PROFILE **8** CONDITION **D**

at Observation Hole # **1**

Depth **07** " of Most

Limiting Soil Factor

Disposal Field Sizing

- ☐ Medium ---2.6 sq.ft./gpd
- ☐ Medium-Large ---3.3 sq. ft./gpd
- ☒ Large --- 4.1 sq.ft./gpd
- ☐ Extra-Large --- 5.0 sq.ft./gpd

Pumping

- ☐ Not Required
- ☐ May be Required
- ☒ Required >>Specify only for engineered or experimental systems
Dose: _____ Gallons

Latitude and Longitude
at center of disposal area

Lat. **N44 d 19 m127 s**

Lon. **WO69 d 44 m666 s**

If gps state margin of error: **20'**

SITE EVALUATOR'S STATEMENT

I Certify that on 04/19/14(date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Bethany Slattery-Mortimer
Site Evaluator Signature

bsmortimer@gmail.com

207-319-8717

Bethany F. Slattery-Mortimer

SE #205

Date:

May 01, 2014

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NOTE: Changes to or deviations from the design should be confirmed with the Site Evaluator

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation
Augusta

Street, Road, Subdivision
202 South Belfast Road

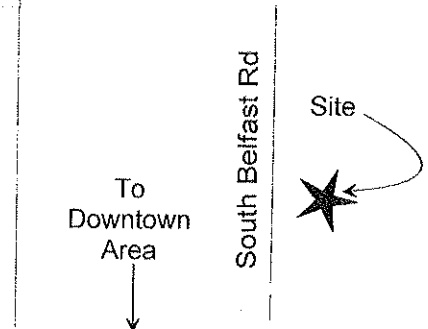
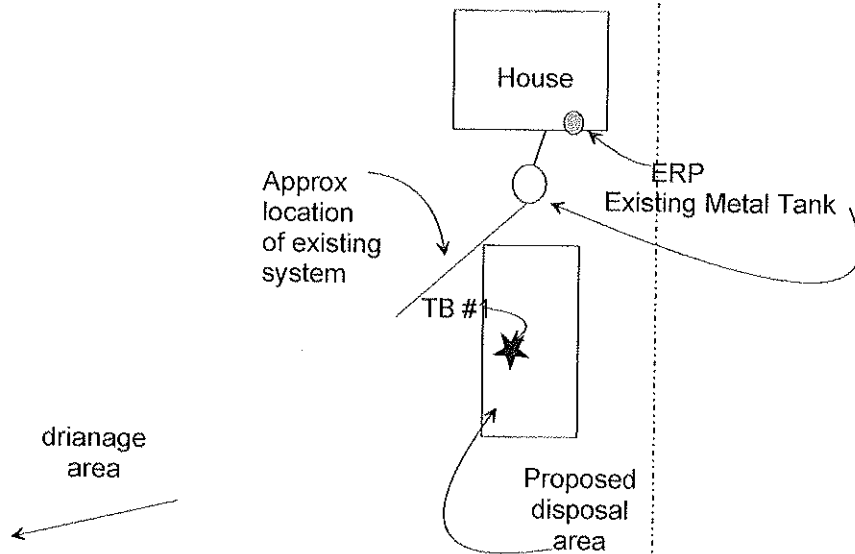
Owner's Name
Ed & Val Moran

South Belfast Road

SITE PLAN

SCALE : 1"= 40'

SITE LOCATION PLAN



Property line

SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole 1 ☐ Test Pit ☒ Boring
" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0	fine sandy loam	friable	brown	
10			light brown	
20	silty loam	firm	olive brown	
30			olive gray	
40				
50				

Soil Classification: 8 D Profile Condition: 2-4 % Slope: 07 %
Limiting Factor: 07 " ☒ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Observation Hole ☐ Test Pit ☐ Boring
" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0				
10				
20				
30				
40				
50				

Soil Classification: Profile Condition: % Slope: %
Limiting Factor: " ☐ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Bethany Slattery-Mortimer
Site Evaluator Signature

Bethany F. Slattery-Mortimer
SE #205

Date:
05-01-14

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HHE-200

REPLACEMENT SYSTEM VARIANCE REQUEST

THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form shall be attached to an application (HHE-200) for the proposed replacement system which requires a variance to the Rules. The LPI shall review the Replacement System Variance Request and HHE-200 and may approve the Request if all of the following requirements can be met, and the variance(s) requested fall within the limits of LPI's authority.

1. The proposed design meets the definition of a Replacement System as defined in the Rules (Sec. 1903)
2. There will be no change in use of the structure except as authorized for one-time exempted expansions outside the shoreland zone of major waterbodies/courses
3. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.
4. The BOD5 plus S.S. content of the wastewater is no greater than that of normal domestic effluent.

GENERAL INFORMATION

Town of Augusta

Permit No. _____

Date Permit Issued _____

Property Owner's Name: Ed & Val Moran Tel. No: 207-557-0161

System's Location: 202 South Belfast Road

Property Owner's Address 20 Neighbor Lane

(if different from above) Augusta, ME 04330

SPECIFIC INSTRUCTIONS TO THE LOCAL PLUMBING INSPECTOR (LPI):

If any of the variances exceed your approval authority and/or do not meet all of the requirements listed under the Limitations Section above, then you are to send this Replacement System Variance Request, along with the Applications, to the Department for review and approval consideration before issuing a Permit. (See reverse side for Comments Section and your signature.

SITE EVALUATOR:

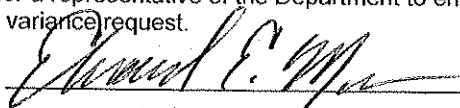
If after completing the Application, you find that a variance for the proposed replacement system is needed, complete the Replacement Variance Request with your signature on reverse side of form.

PROPERTY OWNER:

It has been determined by the Site Evaluator that a variance to the Rules is required for the proposed replacement system. This variance request is due to physical limitations of the site and/or soil conditions. Both the Site Evaluator and the LPI have considered the site/soil restrictions and have concluded that a replacement system in total compliance with the Rules is not possible.

PROPERTY OWNER

I understand that the proposed system requires a variance to the Rules. Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for a representative of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.


SIGNATURE OF OWNER

5/6/14
DATE

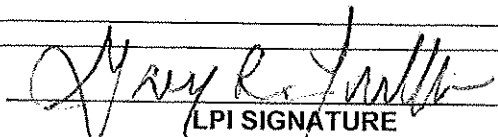
LOCAL PLUMBING INSPECTOR

I, Gary R. Smith, the undersigned, have visited the above property and have determined to the best of my knowledge that it cannot be installed in compliance with the Rules. As a result of my review of the Replacement Variance Request, the Application, and my on-site investigation, I (check and complete either a or b).

☐ a. (☐ approve, ☐ disapprove) the variance request based on my authority to grant this variance. Note: If the LPI does not give his/her approval, he/she shall list his/her reasons for denial in Comments Section below and return to the applicant. --OR--

☐ b. find that one or more of the requested Variances exceeds my approval authority as LPI. I (☐ recommend ☐ do not recommend) the Department's approval of the variances. Note: If the LPI does not recommend the Department's approval, he/she shall state his reasons in Comment Section below as to why the proposed replacement system is not being recommended.

Comments: _____


LPI SIGNATURE

5/6/14
DATE

Replacement System Variance Request

VARIANCE CATEGORY

VARIANCE REQUESTED TO:

SOILS

Soil Profile

Soil Condition

from HHE-200

Ground Water Table

Restrictive Layer

Bedrock

Ground Water Table

Restrictive Layer

Bedrock

07

inches

inches

inches

SETBACK DISTANCES (in feet)

Disposal Fields

Septic Tanks

Disposal
Field

Septic
Tank

From

Less than
1000 gpd

1000 to
2000 gpd

Over
2000 gpd

Less than
1000 gpd

1000 to
2000 gpd

Over
2000 gpd

Wells with water usage of 2000 or more
gpd or public water system wells

Private Potable Water Supply

Water supply line

Water course, major

Water course, minor

Drainage ditches

Edge of fill extensions-Coastal wetlands,
special freshwater wetlands, great ponds,
rivers and streams

25'+

Slopes greater than 3:1

No full basement eg: slab, frost wall, columns

Full basement (below grade foundation)

Property lines

Burial sites or graveyards, measured from the
down toe of the fill extensions

OTHER

1. **Fill Extension Grade - 3:1** If necessary to keep fill on property

2.

3.

Footnotes: a. Private Potable Water Supply Setbacks may be reduced as prescribed in Chapter 7

b. Additional setbacks may be needed to prevent fill material extensions from encroaching onto abutting property.

c. Additional setbacks may be required by local Shoreland Zoning.

d. Natural Resource Protection Act requires a 25' setback, on slopes of less than 20%, from the edge of soil disturbance and 100' on slopes greater than 20%. See Chapter 15.

e. May not be any closer to a private potable water supply than the existing disposal field or septic tank. This setback may be reduced for single family houses with Department approval. See Section 702.3

f. The fill extension shall reach the existing ground before the 3:1 slope or within 100' of the disposal field.

g. See Section 1402.8 for special procedures when these minimum setbacks cannot be achieved.

Bethany Slattery Mortimer
Bethany Slattery-Mortimer

207-319-8717

SE # 205

05-01-14

DATE

FOR USE BY THE DEPARTMENT ONLY

The Department has reviewed the variance(s) and (☐ does ☐ does not) give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

SIGNATURE OF THE DEPARTMENT

DATE

Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Owner's Name
Ed & Val Moran

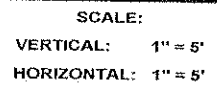
SCALE 1" = 20 FT.

Existing septic tank shall be destroyed and a new 1000 gal tank shall be installed

Notes:

1. Refer to the general notes on the backside of this page
2. Installer shall verify ties and elevations prior to construction of system.
3. Should laundry become excessive (more than 2 loads per day) then a separate laundry system shall be installed

DISPOSAL AREA CROSS SECTION



Transitional horizon-remove vegetaion;
a min of 4" of backfill must be mixed
in the origianl soil (Section 11)

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HHE-200

GENERAL NOTES

1. The most recent revision of the Maine Subsurface Wastewater Disposal Rules ("Rules") is hereby made a part of this HHE-200 Form and shall be consulted by the disposal system installer for further construction details, material specifications, cautions and other related detail pertinent to the installation of this disposal system.
2. The HHE-200 Form is intended to represent facts pertinent to the "Rules" only. The owner or applicant must check both local and state ordinances and regulations regarding other building regulations (ie. zoning, wetlands, building codes, minimum lot size, etc) before considering this an approved or buildable site.
3. All information shown on this form relating to property lines and subsurface structures (such as but not limited to: water lines, septic tanks, cess pools, cellar drains, utility lines, etc) are noted, plotted or left off as not affecting the system based on information provided by the owner or agent. It is the responsibility of the owner or agent to confirm, BEFORE CONSTRUCTION BEGINS, the above and/or other features which may affect (or be adversely affected by) the installation of this system.
4. When a gravity system is proposed, BEFORE CONSTRUCTION BEGINS, the disposal system installer and building contractor shall review the relative elevations of all points given on the HHE-200 form and the elevations of the existing or proposed requirements. Any questions that arise should be directed to the local plumbing inspector or design site evaluator. When a pump system is installed it should be sealed (along with the septic tank) and an alarm device warning of pump failure shall be installed. At present, venting of pumped systems is optional.
5. If the use of a laundry machine becomes excessive, a separate laundry bed should be designed and installed. A lint catching device should be installed for the washing machine (if it doesn't have one) and cleaned frequently. A distribution box has been shown in the design and is intended to offer an inspection port whereby the owner can check for excessive lint or grease build up before damage to the system is done. This system has not been designed or sized to accommodate a garbage disposal unless the appropriate box is checked on page 1. If one is to be used, you must notify the design site evaluator so that the size of the disposal system and septic tank capacity can be increased.
6. The actual water flow or number of bedrooms shall not extend the design criteria indicated on the HHE-200 form without a re-evaluation of the system.
7. Construction details, Section 11 of the "Rules" shall be reviewed prior to construction of the system by the installer.
8. The general setback distance between a well and disposal system serving a single-family residence is 100 feet. The location of a new well that is within 100 feet of the proposed system may void this design.
9. All construction shall be inspected by the local plumbing inspector prior to backfilling and shall comply with Section 11 of the "Rules"
10. If you have any questions, please do not hesitate to contact me.